SEQUENCE LISTING

<110> Dean, Nicholas M.

Karras, James G

McKay, Robert

Manoharan, Muthiah

<120> ANTISENSE MODULATION OF INTERLEUKIN-5 SIGNAL

TRANSDUCTION

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<150> PCT/US00/07318

<151> 2000-03-17

<150> 09/280,799

<151> 1999-03-26

<160> 210

<170> PatentIn Ver. 2.0

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26

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27

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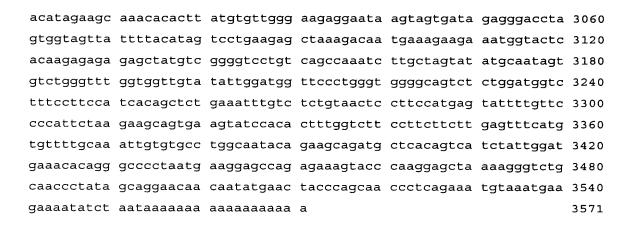ttagctctgt ctctgctgat   20

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43

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44

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acatagaagc aaacacactt atgtgttggg aagaggaata agtagtgata gagggaccta 3060
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acaagagaga gagctatgtc ggggtcctgt cagccaaatc ttgctagtat atgcaatagt 3180
gtctgggttt ggtggttgta tattggatgg ttccctgggt ggggcagtct ctggatggtc 3240
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gaaacacagg gcccctaatg aaggagccag agaaagtacc caaggagcta aaagggtctg 3480
caaccctata gcaggaacaa caatatgaac tacccagcaa ccctcagaaa tgtaaatgaa 3540
gaaatatct aataaaaaaa aaaaaaaaa a                                    3571
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<210> 133
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<220>
<223> Description of Artificial Sequence:Synthetic

<400> 133
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gttcagagct tcataacaaa gcagaagtca ggagtctcag aaatgcactt caaaatcagg 180
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gtagatgcac agctgcaggc tcagagctcg gcagccactg tacttcttag taaccaggaa 660
tcaaacgttt gactcactgt ggggttggta gggcagataa ataccttttt ctatgactag 720
gctggagaca cgcccaggac ccccaccaaa aggagggaca ggaaaagaga aataattggt 780
aaacacagaa aatgtttcaa tagaaaaaag aggaaacaga acactgtgta gccctgttat 840
cagcagagac agagctaacg ctggggatac caaactagaa gaagctcact ggacaggtcc 900
cggtatgcag ttctattttt gttgatggct ctgtatctaa tgtgttcatt tgtaccaagg 960
tgagt                                                              965
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45

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<212> DNA

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<220>

<223> Description of Artificial Sequence:Synthetic

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gccattctac caaggacttc   20

<210> 136

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 136

acaatgagat gccattctac   20

<210> 137

<211> 20

<212> DNA

<213> Artificial Sequence

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46

<223> Description of Artificial Sequence:Synthetic

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<210> 138
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<400> 138
agcaggcagc tgttgggagc   20
<210> 139
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<400> 139
tgagaagatt aacaagacga   20

<210> 140
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tgcagatgag tgagaagatt   20

<210> 141

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<400> 141

actctgcaga tgagtgagaa   20

<210> 142

<211> 20

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gacttccttt cctttcctgg   20

<210> 143

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aacaagacga agcaggcagc   20

<210> 144

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<220>

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<400> 144

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<400> 145

cgatcagttt ttccttctaa 20

<210> 146

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<223> Description of Artificial Sequence:Synthetic

<400> 146

tcacccacat aaataggttg 20

<210> 147

<211> 20

<212> DNA

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<223> Description of Artificial Sequence:Synthetic

<400> 147

ggtccataaa tgacacctga 20

<210> 148
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<400> 148
ttacctcata ttcagtaacc   20

<210> 149
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<400> 149
gccattctat caaggacttc   20

<210> 150
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gccatgctat caagcacttc   20

<210> 151
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gctatcctat caagcacgtc   20

<210> 152
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<400> 152
gacttcctta cctttcctgg   20
<210> 153
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<400> 153
gacttcctct tcttccctgg   20

<210> 154
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<400> 154
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<210> 155
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<400> 155
gtttttcctt ctgaatgtga   20

<210> 156
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<400> 156
ctttcctttc ccacataaat   20

<210> 157
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<400> 157
taaatgacac actctgcaga   20

<210> 158
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taaatgacac ccacataaat   20

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<400> 161

tgctggaatt ggtggaaaca   20

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<400> 163
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<210> 166

<211> 20

<212> DNA

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<220>

<223> Description of Artificial Sequence:Synthetic

<400> 166

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<210> 167

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 167

tgaggcgatt tggatgaagc   20

<210> 168

<211> 20

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<210> 169
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<400> 169
agcttaaaca gccaaacggg   20

<210> 170
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<400> 170
ctccaggctg atgcaaaatg   20

<210> 171
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<400> 171
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<210> 172
<211> 20
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<220>

<223> Description of Artificial Sequence:Synthetic

<400> 172

tggatcagg cctctggagc   20

<210> 173

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 173

gggtgaggat tttgtggctc   20

<210> 174

<211> 20

<212> DNA

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<220>

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<400> 174

gggtgatgat ttggtggctc   20

<210> 175

<211> 20

<212> DNA

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<220>

<223> Description of Artificial Sequence:Synthetic

<400> 175

ggctgatgat ttggtgggtc   20

<210> 176

<211> 2006

<212> DNA

<213> Homo sapiens

<400> 176

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tgacttactt cctgatgaaa agatttcact tctcccacct gtcaatttca ccattaaagt 180

tactggtttg gctcaagttc ttttacaatg gaaaccaaat cctgatcaag agcaaaggaa 240

tgttaatcta gaatatcaag tgaaaataaa cgctccaaaa gaagatgact atgaaaccag 300

aatcactgaa agcaaatgtg taaccatcct ccacaaaggc ttttcagcaa gtgtgcggac 360

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cccaccaggg tctcctggaa cctcagttgt gaatttaact tgcaccacaa acactacaga 480

agacaattat tcacgtttaa ggtcatacca agtttccctt cactgcacct ggcttgttgg 540

cacagatgcc cctgaggaca cgcagtattt tctctactat aggtatggct cttggactga 600

agaatgccaa gaatacagca aagacacact ggggagaaat atcgcatgct ggtttcccag 660

gacttttatc ctcagcaaag ggcgtgactg gcttgcggtg cttgttaacg gctccagcaa 720

gcactctgct atcaggccct ttgatcagct gtttgccctt cacgccattg atcaaataaa 780

tcctccactg aatgtcacag cagagattga aggaactcgt ctctctatcc aatgggagaa 840

accagtgtct gcttttccaa tccattgctt tgattatgaa gtaaaaatac acaatacaag 900

gaatggatat ttgcagatag aaaaattgat gaccaatgca ttcatctcaa taattgatga 960

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58

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tctaggtaga ttgtgtatgt gtgtgtatga gagagagaga gagagagaga gagagagaga 1920
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<210> 178
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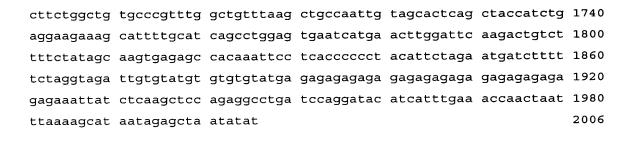gtgtctatgc tcgtggctgc   20

<210> 179
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<223> Description of Artificial Sequence:Synthetic

<400> 179

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<210> 180
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<400> 182
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<210> 183
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<400> 183

caggatggtc cgcacacttg   20

<210> 184

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<400> 184

gggcatgaag ttcagcagaa   20

<210> 185

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<210> 186

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 186

ctccccagtg tgtctttgct   20

<210> 187

<211> 20

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 187

aagccagtca cgccctttgc   20

<210> 188

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<400> 188

aaacagctga tcaaagggcc   20

<210> 189

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<212> DNA

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<220>

<223> Description of Artificial Sequence:Synthetic

<400> 189

atggattgga aaagcagaca   20

<210> 190

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<212> DNA

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<400> 190

tctgcacatg gagctcactg   20

<210> 191

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aggttggctc cactcactcc   20

<210> 192

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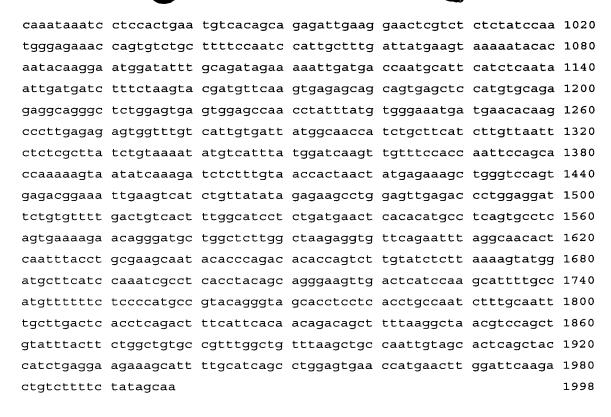

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<400> 194

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<210> 195

<211> 1998

<212> DNA

<213> Homo sapiens

<400> 195

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cggtcctcgc catcttctgt tgagtactgg tcggaacaag aggatcgtct gtagacaggc 180

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ctgcaagctg acttacttcc tgatgaaaag atttcacttc tcccacctgt caatttcacc 360

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caaaggaatg ttaatctaga atatcaagtg aaaataaacg ctccaaaaga agatgactat 480

gaaaccagaa tcactgaaag caaatgtgta accatcctcc acaaaggctt ttcagcaagt 540

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actacagaag acaattattc acgtttaagg tcataccaag tttcccttca ctgcacctgg 720

cttgttggca cagatgcccc tgaggacacg cagtattttc tctactatag gtatggctct 780

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tttcccagga ctttttatcct cagcaaaggg cgtgactggc tttcggtgct tgttaacggc 900

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<210> 196
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<212> DNA
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<220>
<223> Description of Artificial Sequence:Synthetic


<400> 196
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<210> 197
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<220>

<223> Description of Artificial Sequence:Synthetic

<400> 199

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<212> DNA

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<223> Description of Artificial Sequence:Synthetic

<400> 200

tcatcatttc ctggtggaaa   20

<210> 201

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<223> Description of Artificial Sequence:Synthetic

<400> 201

tcatcattta ctggtggaaa   20

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<223> Description of Artificial Sequence:Synthetic

<400> 202

tcagcattta ctggtgtaaa   20

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<223> Description of Artificial Sequence:Synthetic

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<223> Description of Artificial Sequence:Synthetic

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agcggcagag cattgagaac   20

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 205

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ataaacaaaa cagaaatgca acgctttaga gtacccacgg aaaacttgtt taccttgtca 240

ccatgagtaa aagttaattc ccactcctga agagagcaaa ccaactctga aagagagtga 300

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tcctccatat ttgcttagag aaaacgtgtt gccatcccat catgaaggaa gctgcctgag 480

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